Mouse Target of rapamycin complex 2 subunit MAPKAP1 (MAPKAP1) ELISA Kit

Catalog No: #EK9916

Package Size: #EK9916-1 48T #EK9916-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Target of rapamycin complex 2 subunit MAPKAP1 (MAPKAP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP11-269P11.1; JC310; MGC2745; MIP1; SIN1; SIN1b; SIN1g; MEKK2-interacting protein 1|OTTHUMP00000022141|SAPK-interacting protein 1|ras inhibitor MGC2745|stress-activated map kinase interacting prote
Accession No.	Q8BKH7
Uniprot	Q8BKH7
GeneID	227743;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MAPKAP1 in samples. An antibody specific for MAPKAP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAPKAP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAPKAP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MAPKAP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Target of rapamycin complex 2 subunit MAPKAP1 is a protein similar to the yeast SIN1 protein, a stress-activated protein kinase. Alternatively spliced transcript variants encoding distinct isoforms have been described. Alternate polyadenylation sites as well as alternate 3' UTRs have been identified for transcripts of this gene.
The deduced 522-amino acid protein has a nuclear localization signal, 2 bipartite nuclear localization signals, a peroxisomal targeting signal, and a PEST motif for rapid protein degradation. Comparison of SIN1 with homologs from various species revealed a short, highly conserved region,

designated Box1, located within a larger conserved domain, designated CRIM (conserved region in middle).

Note: This product is for in vitro research use only